

Application No. Not Yet Assigned
Paper Dated: July 23, 2004
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 0470-044730

Customer No. 28289

Amendments to the Abstract

After the claims, please insert a page containing the Abstract Of The Disclosure, which is attached hereto as a separately typed page.

ROTATIONAL SPEED SENSOR

ABSTRACT OF THE DISCLOSURE

Disclosed is a rotational speed sensor comprising a rotatable ring, e.g. connectable to a bearing. The rotational speed sensor has K magnetic pole pairs distributed angularly over the rotatable ring. Also, sensor means are present positioned relative to the rotatable ring such that a varying magnetic field is detected by the sensor means. The sensor means comprise a first pair of magnetic sensors, the first pair of magnetic sensors being positioned $2\pi L/K$ radians apart from each other. The sensor means may further comprise a second pair of magnetic sensors, the second pair of sensors being positioned $2\pi M/K$ radians apart from each other. The first pair of sensors and second pair of sensors are positioned at a relative position of $(2\pi/K)*((2n-1)/2)$ radians.